EMC® RepliStor®
SMB Edition

Replication Software

EMC® RepliStor® SMB Edition provides easy-to-manage, real-time replication of data between two Windows computers locally or remotely across the Internet.

Imagine if a critical application or file server failed. You perform backups daily, but your last backup took place the previous night. Can you afford to lose a day's worth of data?

EMC RepliStor SMB Edition software cuts your risk of data loss to seconds. Designed for small and medium businesses, RepliStor SMB Edition builds upon EMC's proven technology, which is used in thousands of businesses worldwide. By automatically replicating data in real time from one Windows computer (source) to another (target), RepliStor SMB Edition provides a continuously updated copy to guard against hardware failure or site-wide disaster.

Protect critical Windows servers
Use RepliStor SMB Edition in conjunction with your daily backups to protect critical server data. If a file deletion, overwrite, or virus attack causes data loss, use your backup application to perform a restore. If a server or disk array outage results in data loss, RepliStor SMB Edition has you protected. After the failed server is brought back online, RepliStor SMB Edition synchronizes it with the target server to ensure all data is up to date. Or connect users to the target server directly. You won't lose a minute's worth of data with RepliStor SMB Edition.

Non-intrusive data protection
Prevent backup operations from affecting critical servers. By backing up the target server instead of the source server, you can protect data from user error or virus without having an impact on application performance and business productivity. Backup software such as EMC Retrospect allows you to restore lost data to the source server directly. RepliStor SMB Edition protects you from hardware failure and ensures both servers stay in sync.

Centralized protection for remote computers
Do you have a computer at an office or store where there are no computer-savvy personnel? Protect it without any onsite backup equipment or assistance. Simply replicate its data over the Internet to a Windows computer at your central office for backup. If a user causes data loss, use your backup application to perform a restore to the remote computer. Or restore lost data to the central office computer and let RepliStor SMB Edition copy it to the remote computer automatically.

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Products for Small and Medium Business

Secure data transfer over a LAN or WAN
Replicate data across the office, across town, or across the globe. RepliStor SMB Edition prevents unauthorized access by encrypting data that is in transit over the Internet.

Automated, easy to manage
Increase server protection without increasing your work load. Install, administer, and monitor RepliStor SMB Edition on local or remote servers from any Windows computer on your network. Data replication occurs automatically and continuously. A quick view of RepliStor SMB Edition's user-friendly interface shows you that all is running smoothly. If your attention is ever needed, RepliStor SMB Edition can e-mail you.

Protects critical Windows servers and remote computers

Protects critical Exchange, SQL, and file servers	Increase protection of your Microsoft Exchange mail server, Microsoft SQL database, or an application or file server running one of several Windows server operating systems.
Augments backup and recovery	Use RepliStor SMB Edition in conjunction with EMC Retrospect or other backup software to guard against user errors and viruses that replicate. Back up the target and eliminate performance drain on critical servers during backup.
Protects remote Windows computers	Replicate data from a remote PC running Windows 2000 or XP Professional, or a remote Windows server, to a central office computer for backup.
Complete data protection	Protect Windows files, directories, shares, and registry keys.
Microsoft clusters	Replicate to or from servers in a Microsoft server cluster environment.
NAS support	Replicate to or from Windows-powered NAS. Specify a UNC path (target) and replicate data to non-Windows NAS, including remote shares.
Mac data	Replicate Macintosh volumes on a Windows server to another Windows server.

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Replicates data securely over unlimited distances

One-to-one*, low impact data replication	After initial synchronization, RepliStor SMB Edition captures just new and byte-level changes to data on the source computer, and then sends and applies them to the target computer. Replication happens asynchronously—the source computer does not wait for the target computer to apply updates—so applications are not inhibited.
Round the clock or per schedule	Replicate data continuously without interruption. Or run on a set schedule to avoid high periods of server or network use.
Replicate over LAN or WAN	Replicate between two servers in your office or thousands of miles apart. Transfer speeds over your LAN are practically instantaneous. A managed area network (MAN) is also extremely fast but varies. Have a T1 connection? 50% utilization moves 500MB/hr. Have a T3? 50% utilization moves 15 GB/hr.
High data security	Chose among three levels of security. Authenticate computer-to-computer connections. Add a 16-byte signature to prevent tampering. For highest security, add 128-bit data encryption over the network (decrypted at target). Files currently encrypted stay encrypted. RepliStor SMB Edition utilizes Windows NT LAN Manager security and also supports Kerberos.
Optimize network performance	Use throttling and data compression to minimize network bandwidth consumption. Keep traffic off your main network by dedicating a separate network interface card (NIC).
Storage flexibility	Replicate to and from internal, direct-attached, NAS, iSCSI, or SAN/Fibre Channel-attached storage. RepliStor SMB Edition does not require any proprietary hardware.

*EMC RepliStor SMB Edition is licensed per computer.

Easy to manage

Simple installation and administration	Configure and administer RepliStor SMB Edition on source and target computers from any Windows computer on your network, including across domains. RepliStor SMB Edition syncs open files, enabling applications to stay online during set up. The customizable toolbar executes RepliStor SMB Edition commands with a push of a button.
Traffic light status and email notification	Get a quick status check through green, yellow, or red traffic lights on RepliStor SMB Edition's Monitor Bar. Receive alerts to performance issues by email.
Simulation and reporting	Simulate traffic between computers to determine expected usage of network bandwidth. Through intuitive reports, quickly review volume of data replicated over network and at specified time intervals.
Active Directory	RepliStor SMB Edition automatically registers in Windows Active Directory, providing a domain-wide site list and the ability to set parameters in one place. If a server makes a change to the list, the other sees it.
Windows Performance Monitor	Use Windows Performance Monitor to view statistics and observe replication activity in real time, as well as to monitor and report performance issues automatically.
Process exclusion	Set RepliStor SMB Edition to ignore applications that may trigger replication, such as antivirus software or backup software that sets an archive bit.
SNMP	Send message logs as an SNMP trap for view by business management applications.

EMC Insignia
EMC RepliStor SMB Edition is part of the EMC Insignia line of software and hardware products, which enables small and medium businesses (SMBs) to store, manage, protect, and share vital business information. To learn more about EMC Insignia, contact your authorized EMC Velocity SMB channel partner or visit **www.emcinsignia.com**.

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